OIPE

# ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/910,582B

DATE: 06/28/2002
TIME: 14:17:15

Input Set : **A:\LJ4857.txt**
Output Set: **N:\CRF3\06282002\I910582B.raw**

```
 4 <110> APPLICANT: Ruoslahti, Erkki
 5       MacKenna, Deidre A.
 8 <120> TITLE OF INVENTION: Heart Homing Conjugates
11 <130> FILE REFERENCE: P-LJ 4857
13 <140> CURRENT APPLICATION NUMBER: US 09/910,582B
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C--> `14 <141> CURRENT FILING DATE: 2001-07-20`
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16 <150> PRIOR APPLICATION NUMBER: US 09/326,718
17 <151> PRIOR FILING DATE: 1999-06-07
19 <160> NUMBER OF SEQ ID NOS: (15)
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
25 <400> SEQUENCE: 1
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W--> `26   000`
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29 <211> LENGTH: 7
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: synthetic construct
36 <400> SEQUENCE: 2
37 Gly Gly Gly Val Phe Trp Gln
38  1              5
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 7
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: synthetic construct
49 <400> SEQUENCE: 3
50 His Gly Arg Val Arg Pro His
51  1              5
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 7
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: synthetic construct
62 <400> SEQUENCE: 4
63 Val Val Leu Val Thr Ser Ser
64  1              5
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 7
69 <212> TYPE: PRT
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70  <213> ORGANISM: Artificial Sequence
72  <220> FEATURE:
73  <223> OTHER INFORMATION: synthetic construct
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76  Gln Gly Arg Leu Tyr Asn Tyr
77  1               5
80  <210> SEQ ID NO: 6
81  <211> LENGTH: 7
82  <212> TYPE: PRT
83  <213> ORGANISM: Artificial Sequence
85  <220> FEATURE:
86  <223> OTHER INFORMATION: synthetic construct
88  <400> SEQUENCE: 6
89  Ala Trp Gly Leu Ala Ser Tyr
90  1               5
93  <210> SEQ ID NO: 7
94  <211> LENGTH: 7
95  <212> TYPE: PRT
96  <213> ORGANISM: Artificial Sequence
98  <220> FEATURE:
99  <223> OTHER INFORMATION: synthetic construct
101 <400> SEQUENCE: 7
102 Arg Ser Met Pro Leu Leu Ser
103 1               5
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 7
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: synthetic construct
114 <400> SEQUENCE: 8
115 Arg Pro Gly Arg Leu Asn Gly
116 1               5
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 8
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: synthetic construct
127 <400> SEQUENCE: 9
128 Cys Leu His Arg Gly Asn Ser Cys
129 1               5
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 12
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: synthetic construct
140 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING                    DATE: 06/28/2002
PATENT APPLICATION:   US/09/910,582B    TIME: 14:17:15

        Input Set : A:\LJ4857.txt
        Output Set: N:\CRF3\06282002\I910582B.raw

141 Cys Arg Ser Trp Asn Lys Ala Asp Asn Arg Ser Cys
142 1               5                   10
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 8
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: synthetic construct
153 <400> SEQUENCE: 11
154 Cys Ser Met Tyr Phe Gln Arg Cys
155 1               5
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 12
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: synthetic construct
166 <400> SEQUENCE: 12
167 Cys Asn Ala Ser Ile Leu Arg Asn Gly Gln Asn Cys
168 1               5                   10
171 <210> SEQ ID NO: 13
173 <400> SEQUENCE: 13
W--> 174  000
176 <210> SEQ ID NO: 14
178 <400> SEQUENCE: 14
W--> 179  000
181 <210> SEQ ID NO: 15
183 <400> SEQUENCE: 15
W--> 184  000

**VERIFICATION SUMMARY**                          DATE: 06/28/2002
PATENT APPLICATION:   US/09/910,582B          TIME: 14:17:16

Input Set : **A:\LJ4857.txt**
Output Set: **N:\CRF3\06282002\I910582B.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:26 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (1) SEQUENCE:
L:174 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (13) SEQUENCE:
L:179 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (14) SEQUENCE:
L:184 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (15) SEQUENCE: